

## Data sheet

### Panel feed through adapters M12 X-coded to RJ45 for electrical cabinets - angled

Page 1/7

P/N

MWN911A415

EAN 4250184157465

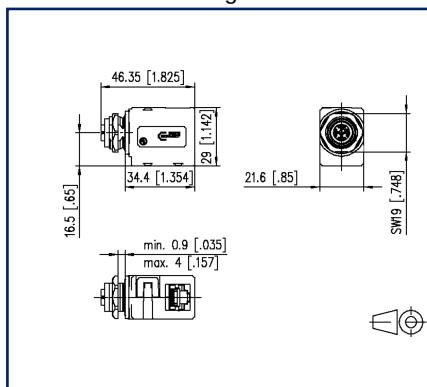
2023/05/30

Version: I

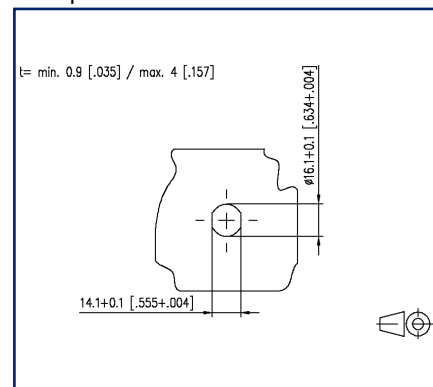
## Illustrations



Dimensional drawing



Drill pattern



See enlarged drawings at the end of document

## Product specification

- panel feed-through adapter M12 to RJ45 for control cabinets
- M12 jack X-coded, IP67, per IEC/PS 61076-2-109
- RJ45 jack, IP20, per IEC 60603-7-51
- suitable for 10 GBit per IEEE802.3an
- Cat.6<sub>A</sub>
- plug-in direction: angled
- solid refined zinc die-cast housing
- suitable for applications in the railway industry according to data sheet



# P | Cabling

## Data sheet

Page 2/7

## Panel feed through adapters M12 X-coded to RJ45 for electrical cabinets - angled

P/N

MWN911A415

EAN 4250184157465

2023/05/30

Version: I

### Technical Data

#### General Data

|                                               |                                  |
|-----------------------------------------------|----------------------------------|
| Electromagnetic measurement according to MICE | E2                               |
| Design                                        | Jack                             |
| Mounting style                                | back side                        |
| Shielding                                     | shielded                         |
| Transmission technology                       | Copper                           |
| Color                                         | metallike                        |
| Dimensions                                    |                                  |
| Dimension (L x W x H)                         | 46.35 mm x 21.6 mm x 29 mm       |
| Dimension (L x W x H)                         | 1.825 in. x 0.85 in. x 1.142 in. |
| Labeling option                               | on housing                       |

#### Transmission characteristics

|                                 |                |
|---------------------------------|----------------|
| Category (ISO)                  | 6 <sub>A</sub> |
| Category (TIA)                  | 6A             |
| Transmission rate up to 10 GBit | IEEE 802.3an   |

#### Connections/interfaces

|                                          |            |
|------------------------------------------|------------|
| Connector technology interface 1         | RJ45-jack  |
| Connector technology interface 2         | M12-jack   |
| Coding interface 2                       | X-coded    |
| Number of ports interface 1              | 1          |
| Number of ports interface 2              | 1          |
| Number of equipped ports interface 1     | 1          |
| Number of ports interface 2 equipped     | 1          |
| Number of positions/contacts interface 1 | 8P/8C      |
| Number of positions/contacts interface 2 | 8          |
| Cable access/outlet                      | angled M12 |



# P | Cabling

## Data sheet

Page 3/7

## Panel feed through adapters M12 X-coded to RJ45 for electrical cabinets - angled

P/N

MWN911A415

EAN 4250184157465

2023/05/30

Version: I

### Technical Data

#### Electrical characteristics

|                           |                   |
|---------------------------|-------------------|
| Current carrying capacity | 0.5 A             |
| Rated voltage             | 50 V AC / 60 V DC |
| Insulation resistance     | min. 100 MOhm     |

#### Materials and material properties

|                    |                       |
|--------------------|-----------------------|
| Material - Housing | GD-Zn (zinc die-cast) |
| Halogen free       | yes                   |
| Material - Finish  | Ni (nickel)           |
| RoHS               | compliant             |

#### Environmental conditions

|                                      |                      |
|--------------------------------------|----------------------|
| Temperature (min. - max.)            |                      |
| Temperature - Storage °C             | -25 °C - 85 °C       |
| Temperature - Storage °F             | -13 °F - 185 °F      |
| Temperature - Operating °C           | -25 °C - 85 °C       |
| Temperature - Operating °F           | -13 °F - 185 °F      |
| Particulate ingress interface 1      | IP2X                 |
| Liquid ingress/immersion interface 1 | IPX0                 |
| Particulate ingress interface 2      | IP6X when plugged in |
| Liquid ingress/immersion interface 2 | IPX7 when plugged in |
| Overvoltage category                 | II                   |
| Degree of pollution                  | 2                    |

#### Approvals

UL listed (file no.)



DUXR.E178484

#### Standards/Regulations

|                                                     |                            |
|-----------------------------------------------------|----------------------------|
| Application-specific communications cabling systems |                            |
| Profinet                                            | yes                        |
| Connectors for electronic equipment                 |                            |
| circular connector                                  | DIN EN 61076-2-109:2010-08 |
| Rectangular connectors                              | IEC 60603-7-51             |



# P | Cabling

Data sheet

Page 4/7

## Panel feed through adapters M12 X-coded to RJ45 for electrical cabinets - angled

P/N

MWN911A415

EAN 4250184157465

2023/05/30

Version: I

### Technical Data

#### Standards/Regulations

Railway applications

|                                            |                                                                |
|--------------------------------------------|----------------------------------------------------------------|
| Electronic equipment used on rolling stock | following to DIN EN 50155                                      |
| Fire protection on railway vehicles        | following to DIN EN 45545-2                                    |
| Contact holder                             | Thermoplastic                                                  |
| Sealings                                   | Elastomer                                                      |
| Shock and vibration                        | DIN EN 50155:2018-05, DIN EN 61373:2011-04 Class 1 Category B  |
| Salt spray                                 | DIN EN 50155:2018-05, (DIN EN 60068-2-11:2000-02/ 48h test KA) |

#### Classifications

|          |          |
|----------|----------|
| ETIM 5.0 | EC001134 |
| ETIM 6.0 | EC001134 |
| ETIM 7.0 | EC001134 |
| ETIM 8.0 | EC001134 |
| ETIM 9.0 | EC001134 |

#### Packing details

|                   |                |
|-------------------|----------------|
| Type of packaging | 10 pc(s) / box |
|-------------------|----------------|



# P | Cabling

Data sheet

Page 5/7

## Panel feed through adapters M12 X-coded to RJ45 for electrical cabinets - angled

P/N

MWN911A415

EAN 4250184157465

2023/05/30

Version: I

### Accessories

| P/N    | Designation                   |
|--------|-------------------------------|
| 700701 | M12 screw plug for jacks IP54 |



# P | Cabling

Data sheet

Page 6/7

## Panel feed through adapters M12 X-coded to RJ45 for electrical cabinets - angled

P/N

MWN911A415

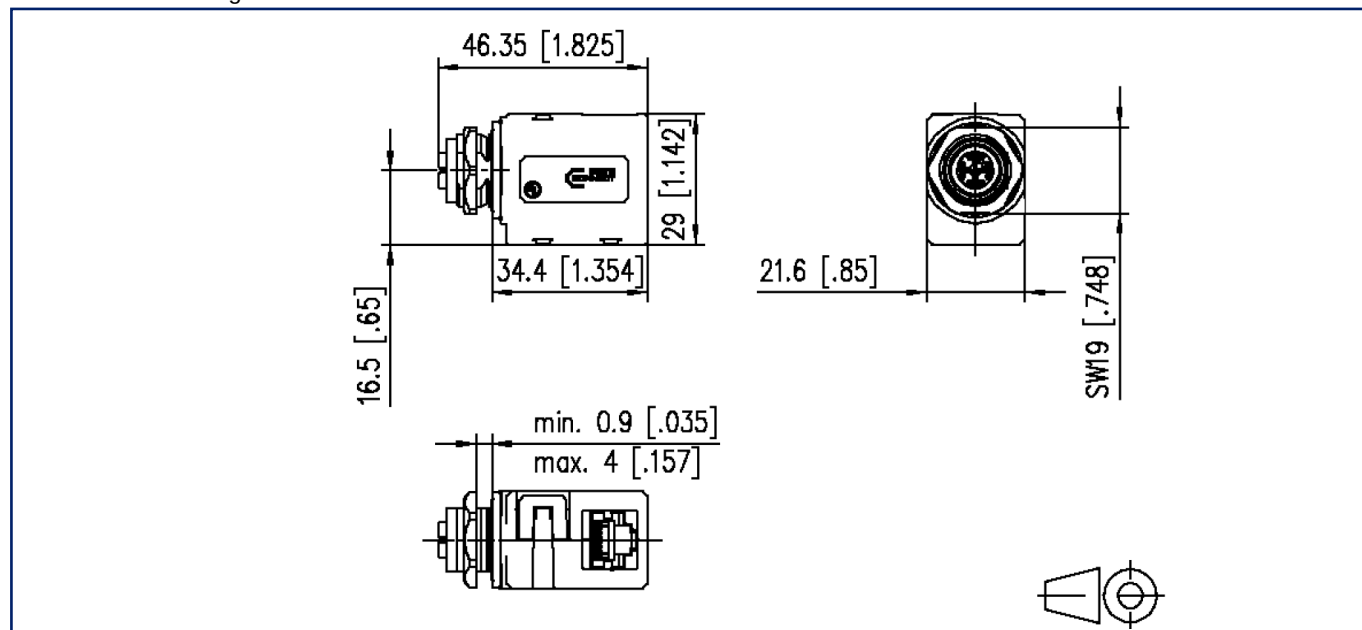
EAN 4250184157465

2023/05/30

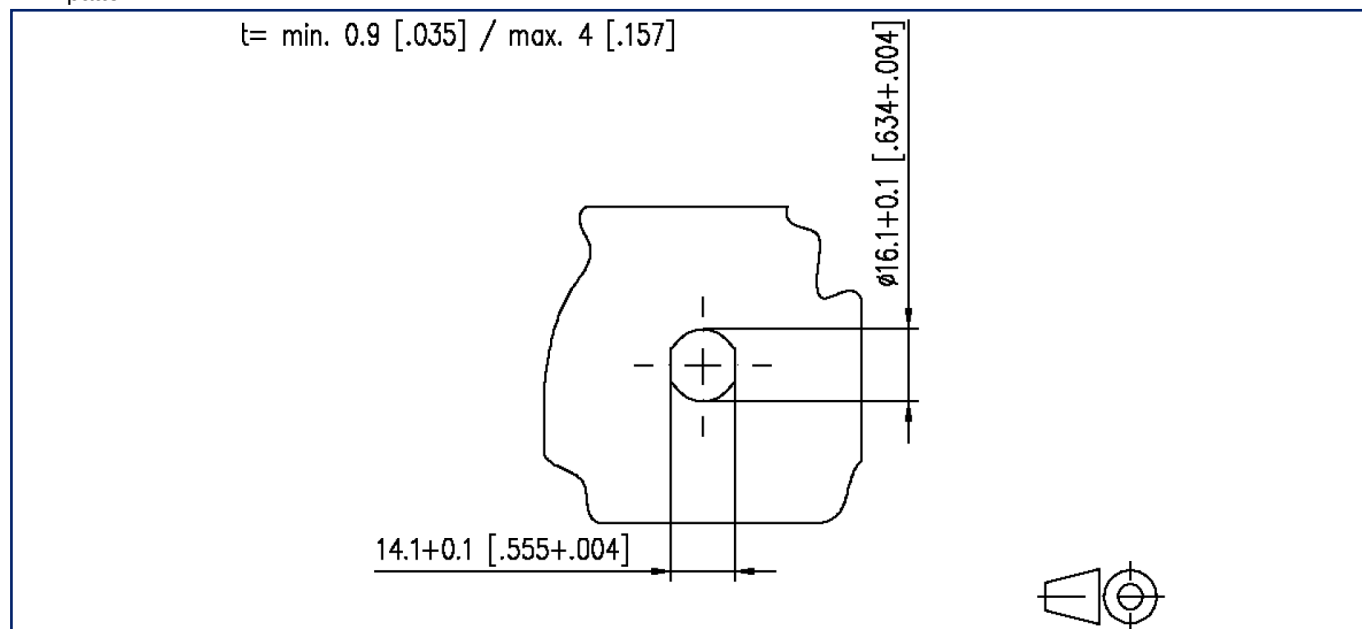
Version: I

### Illustrations

Dimensional drawing



Drill pattern



# P | Cabling

Data sheet

Page 7/7

## Panel feed through adapters M12 X-coded to RJ45 for electrical cabinets - angled

P/N

MWN911A415

EAN 4250184157465

2023/05/30

Version: I

### Illustrations

Wiring diagram

